

# Receiving Report

Date: 12/11/9  
 Supplier: CAMP1  
 Packing Slip: Yes  No   
 Invoice: Yes  No   
 Receipt: Cash  Cr

Release Note Attached: Yes  No  N/A   
 Waybill Attached: Yes  No  N/A   
 Shipment Complete: Yes  No  N/A   
 QC6 Inspection 141 27/11/10  N/A   
 Work Order 89  N/A

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) 12/11/9 Level 12

Production/Admin:

Date 12/11/9

Received/Costing

Initial 12/11/9

Location

## Purchase Order Receipt Listing

*Friday, November 09, 2012 1:50:55 PM*

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All Vendors PO ID PO18157 Receipt Dates from 11/9/2012 to 11/9/2012 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr. Type	Line Nbr/ Insp. Type	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO18157	1	VC-CAM002	Campi Steel M4140N- B1.500X1.5000 4140 Steel Bar 1.50 x f 1.50 123645		10/31/2012	11/9/2012	12.0000	\$94.26 \$1,131.13	0.0000 0.0000	0 0	\$1,131.13

**Total Received Quantity:**

12.0000

**Total Qty to Inspect (PO U/M):**

0.0000

**Total Reject Quantity:**

0.0000

**Total Receipt Value:**

\$1,131.13

**Total Balance Due Quantity:**

0.0000



935, boul. du Val  
Valleyfield (Québec)

25697  
VENDU / SOLD TO:

MONTREAL : 514 336-4248  
CAX... : 514 336-4246

667-4248  
866 456-4242

613-632-1053

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY,  
ONTARIO  
K6A 1K7

VOTRE N° DE COMMANDE / YOUR PO. N°

1010157

VEND / SALES / CODE CLIENT / CUST. CODE

EXPÉDIE PAR / SHIP VIA

DAIR

TERMS / TERMS

NET 30 DAYS

REMARQUES / REMARKS

COPIE

DATE

10/10/03

PAGE

1

DATE



## CERTIFICATE OF TESTS

155 CHATHAM STREET HAMILTON, ONTARIO CANADA L6P2B7  
PHONE: 905-436-5694 FAX: 905-436-5695

## REPUBLIC ENGINEERED PRODUCTS

August 9, 2011  
PAGE 1

OF 2

PURCHASE ORD: 46464-4  
PART NUMBER: S# 51530  
ORDER NUMBER: 1478494 - 01  
HEAT: 8097405  
===== CHARGE ADDRESS =====PURCHASE ORDER DATE: 7/16/2011  
ACCOUNT NUMBER: 5323-1291-01  
SCHEDULE: 9159-03  
REVISION: 1  
===== SHIP TO =====

## MATERIAL DESCRIPTION

COLD FINISHED STEEL BARS ALLOY ASTM A108-07 LEVEL 1 FG ASTM A331-95 FG AMS 6382N (CF) AMS S 5626 COND C-4 REVISION ISS 12/98 EXC PARA 4.3.1&4.12.1 & MARK MIL S 5626C & AMD 1 COND C-4 EXC MARK & PARA 4.3.1&4.12.1 WAIVED AMS 2301K AMS 2304B REVISION DTD 08-10 AMS 6349C EXC THERMAL TREATMENT EF-AISI-4140 FINE GRAIN VACUUM DEGASSSED AIRCRAFT QUALITY COLD DRAWN ANN BEFORE CD  
SIZE: SQR 1.5000 X 1.5000 X 11FT 0.0000IN MIN/ 13FT 0.0000IN MAX  
SQR 38.1000MM X 38.1000MM X 3352.8000MM MIN/ 3962.4000MM MAX

## LADLE CHEMISTRY %

C	MN	P	S	SI	CU	NI	CR
0.40	0.87	0.010	0.005	0.22	0.21	0.18	0.96
V	NO	SN	AL	CB	CA	N	
0.003	0.21	0.008	0.041	0.000	0.0001	0.0085	

## CALCULATED TESTS

REDUCTION RATIO 57.8 TO 1

AUSTENITIC GRAIN SIZE 5 OR FINER BASED ON A TOTAL ALUMINUM CONTENT EQUAL TO OR GREATER THAN .020% PER ASTM A29.

## SEMI - FINISHED RESULTS

JOMINY HARDNESS TEST SAE J406/ASTM A255

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 18 20 22 24 26 28 30 32  
57 57 57 56 56 56 56 55 54 54 53 51 50 48 47 45 44 42 40 39 39 37 37DAS  
14  
0.89

12/11/10

MACRO ETCH TEST ASTM E381/MIL STD 430

ETCHANT: HCL TEMPERATURE: 170

S R C  
AVG 1 1 1

MAGNETIC PARTICLE TEST AMS 2301 AMS2304 AMS2300

IND AVG IND AVG  
FREQ FREQ SEV SEV  
PCE 03 0 0 0 0

MAGNETIC PARTICLE TEST AMS 2301 AMS2304 AMS2300

IND AVG IND AVG  
FREQ FREQ SEV SEV  
PCE 03 0 0 0 0

## FINISHED SIZE RESULTS

DECARBURIZATION TEST SAE J419/ASTM E1077/JIS G0558

ETCHANT = NITAL MAGNIFICATION = 100X

TOTAL  
DEPTH  
INCHESM. J. EBERT BY GEOFF BOAL  
GEN. MGR. COLD FINISHED BAR PRODUCTS DIV.*Michael Ebert*



## CERTIFICATE OF TESTS

166 CHATHAM STREET HAMILTON, ONTARIO CANADA L8P2B7  
PHONE: 905-438-5694 FAX: 905-438-5695

## REPUBLIC ENGINEERED PRODUCTS

August 9, 2011  
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OF 2

PURCHASE ORD: 46464-4  
PART NUMBER: S# 51530  
ORDER NUMBER: 1478494 - 01  
HEAT: 8097405  
PCE 01 0.012PURCHASE ORDER DATE: 2/16/2011  
ACCOUNT NUMBER: 5323-1291-01  
SCHEDULE: 9159-03  
REVISION: 1HARDNESS TEST ASTM E10/ASTM A370 HBW AS-RLD/CD HBW  
SURFACE  
PCE 01 202HARDNESS TEST ASTM E10/ASTM A370 HBW (CONTINUED)  
SURFACE  
PCE 02 202  
PCE 03 202  
PCE 04 202  
PCE 05 202

## NOTES

REPUBLIC ENGINEERED PRODUCTS HEREBY CERTIFY THAT THE MATERIAL LISTED HEREIN HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE GOVERNING SPECIFICATIONS AND BASED UPON THE RESULTS OF SUCH INSPECTION AND TESTING HAS BEEN APPROVED FOR CONFORMANCE TO THE SPECIFICATIONS.

CERTIFICATE OF TESTS SHALL NOT BE REPRODUCED EXCEPT IN FULL.

ALL TESTING HAS BEEN PERFORMED USING THE CURRENT REVISION OF THE TESTING SPECIFICATIONS.

RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FED STATUES TITLE 18 CHAPTER 47.

THE MATERIAL WAS NOT EXPOSED TO MERCURY OR ANY METAL ALLOY THAT IS LIQUID AT AMBIENT TEMPERATURE DURING PROCESSING OR WHILE IN OUR POSSESSION.

NO WELD OR WELD REPAIR WAS PERFORMED ON THIS MATERIAL.

THE RESULTS REPORTED RELATE ONLY TO THE ITEMS TESTED

MELTED IN THE U.S.A. AND MANUFACTURED IN THE U.S.A. OR CANADA.

## SOURCE INFORMATION

MELT SOURCE: CANTON CAST ROLL MELT COUNTRY: U.S.A  
MELT METHOD: EF BLOOM RED. RATIO: 57.8END OF DATA CC END OF DATA  
FILE 1 COPYA.G.M. 305-1 KNICKERBOCKER AVE  
BOHEMIA N.Y. 11716  
CERTIFIES THAT THIS IS  
A TRUE COPY OF THE ORIGINAL MILL TEST  
REPORT NOW ON FILE  
RECEIVED AND INSPECTEDDate: 16/25/11  
P: 631-286-8570  
F: 631-286-8583BY   
Sean Hall - QC ManagerM. J. EBERTH  
GEN. MGR. COLD FINISHED BAR, PRODUCTS DIV.  

BY GEOFF BOAL

**PURCHASE ORDER****Purchase Order ID** **PO18157****Purchase Order Date** 10/18/12**PO Print Date** 10/19/12**Page Number** 1 of 1**Order From :** VC-CAM002CAMPI STEEL  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA**Contact Name****Vendor Phone** 800 667 4248**Vendor Fax** 450 377 5696**Vendor Account Nbr****Buyer** Chantal Lavoie**Requisition Nbr****Tax Resale Nbr** 10127-2607**Terms** Net 30**Currency** CAD**FOB** Destination-Collect**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA**REVISED**  
\$

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
Vendor Part Number							
1	M4140N-B1.500X1.5000	4140 Steel Bar 1.50 x 1.50	10/31/12 Yes	12.00 f	Yours ppd	\$94.1666	\$1,130.00
		<b>Special Inst:</b>	MATERIAL: AISI 4140N STEEL BAR AS PER MIL-S-5626, AMS 6382, AMS6349, AMS 6529				

**PO Total:** \$1,130.00**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**No substitution or deviation without  
consent.Certificate of Conformity or Material  
Certification required - YES  NO **Change Nbr:** 2**Change Date:** 10/19/12